

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-760 REV. E  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-760 REV. 4

REF CANADIAN STC: SH07-37

FAA STC: SR02492NY

EASA STC: EASA.IM.R.S.01361

## 1.0 Purpose:

The purpose of this Service Instruction is to add the D412-760-213 Baggage Compartment Ceiling Protector Kit.

## 2.0 Parts List:

QTY -213	Part Number	Description
X	D412-760-213	Baggage Compartment Ceiling Protector Kit
1	D4438-1	Ceiling Protector
7	80-004-2-8	Insert
7	D3628-1	Cupped washers
7	MS27039-1-05	Screw
3	MS27039-1-10	Screw
6	NAS1149F0363P	Washer

All parts to be installed per this service instruction and maintained per ICA-D412-760.

## 3.0 Note:

3.1 The D4438-1 Ceiling Protector has pre-drilled pilot holes to allow proper location of the 80-004-2-8 potted inserts and D3628-1 cupped washers. The holes are located on tabs that will require removal for final installation of the D412-760-213 Baggage Compartment Ceiling Protector kit.

3.2 If the D412-760-213 Baggage Compartment Ceiling Protector is trimmed such that a fastener can no longer be installed as recommended in these instructions, the fastener must be relocated to a suitable location on the untrimmed/remaining portion of the protector so that the edge of protector is well secured and the total number of fasteners securing the protectors to the airframe is preserved.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:

D. SHEPHERD (DE # 02)

DATE: 11.10.06

CERT. NO.: SH07-37

ISSUE NO.: 3

A	NEW ISSUE	XDF	11.10.06
REV.	DESCRIPTION	BY	DATE
DESIGN	XDF	DART AEROSPACE LTD	
DRAWN	XDF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9572	SHEET 1 OF 5
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	BAGGAGE COMPARTMENT CEILING PROTECTOR KIT	NTS
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#### 4.0 Weight and Balance:

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D412-760-213 BAGGAGE COMPARTMENT CEILING PROTECTOR KIT	8.57 lb 3.89 kg	0 in 0 kg	0 lb-in 0 m-kg	276.85 in 7.031 m	2372.6 in-lb 27.35 m-kg

#### 5.0 Installation:

- 5.1 Remove the smoke detector protective grill from the cargo area ceiling. Discard the fasteners
- 5.2 Align the D4438-1 Ceiling Protector, with the cutout facing the smoke detector per FIGURE 1.
- 5.3 Temporarily install the D4438-1 Ceiling Protector per FIGURE 1. Ensure that NAS1149F0363P washers are placed between the D4438-1 Ceiling Protector and smoke detector protective grill per FIGURE 2.
- 5.4 Using the template tabs on the D4438-1 Ceiling Protector, locate the seven potted insert positions by drilling a #40 pilot hole.
- 5.5 Remove D4438-1 Ceiling Protector.
- 5.6 Install the potted inserts as per Paragraph 3.2.12 of the Bell-MED-SRM, FIGURE 3.
- 5.7 Remove the template tabs from the Ceiling Protector by twisting them off. Deburr as required.
- 5.8 Install D4438-1 Ceiling Protector using MS27039-1 fasteners per FIGURE 1, 2 and 3. Torque the MS27039-1 fasteners to 15-25 in-lbs (1.7-2.8 N-m).

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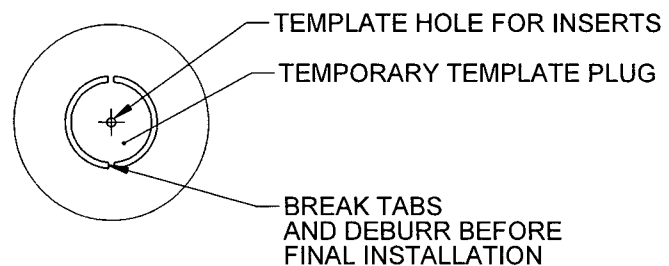
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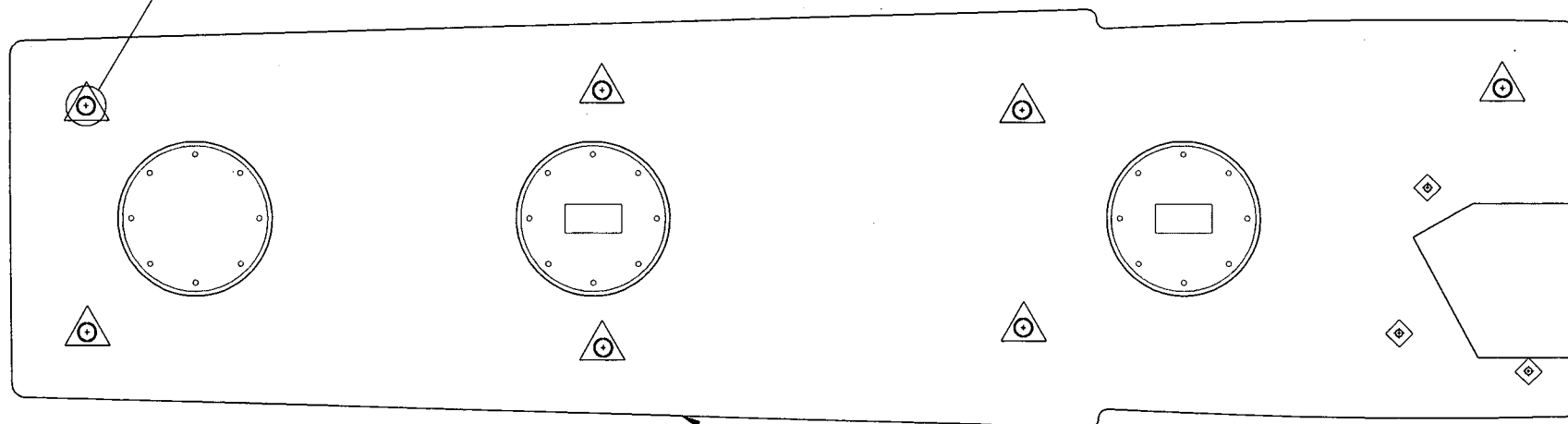
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**DETAIL A**

**DETAIL A**



AT LOCATIONS MARKED :   
REFER TO FIGURE 3

AT LOCATIONS MARKED :   
REFER TO FIGURE 2




**FIGURE 1**

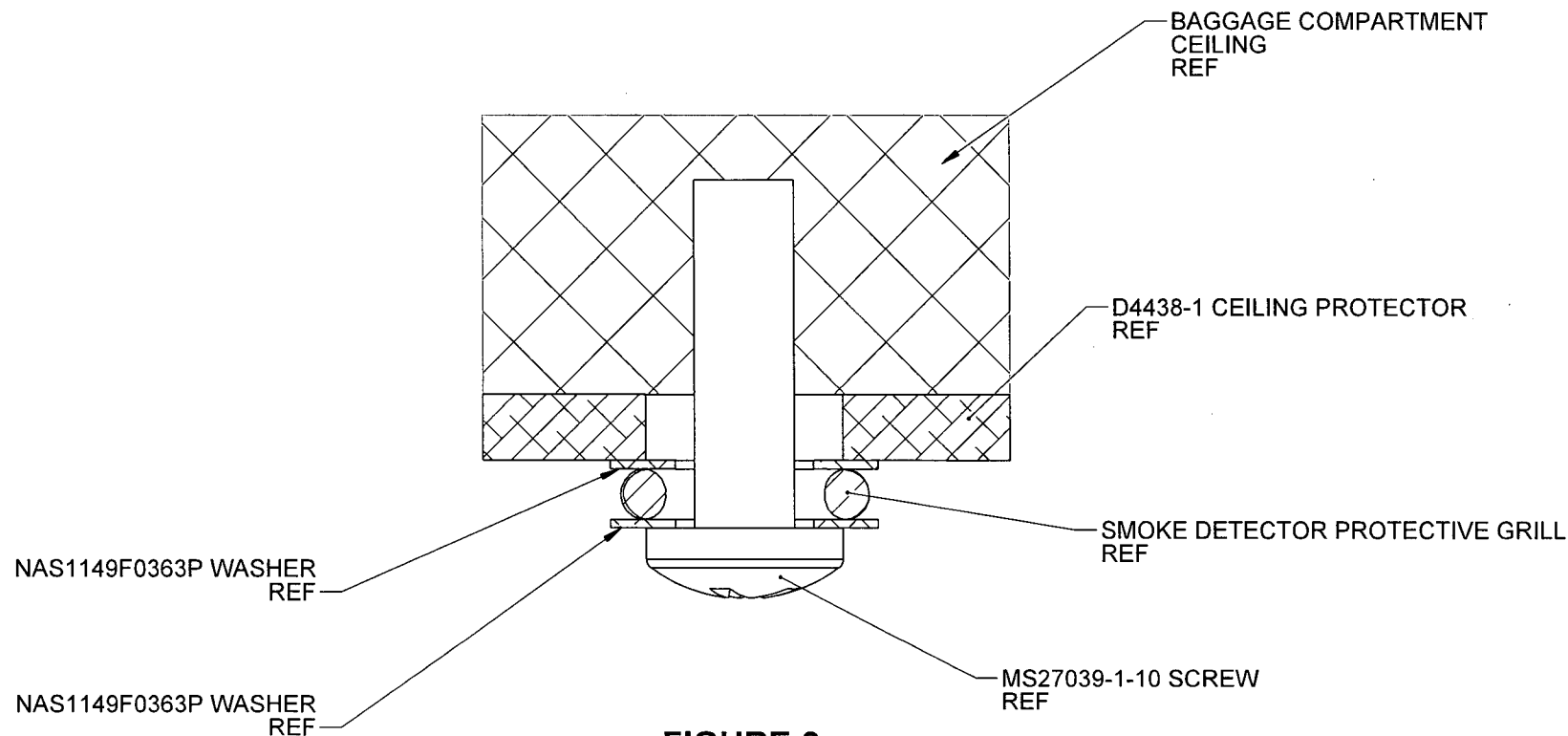
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**FIGURE 2**

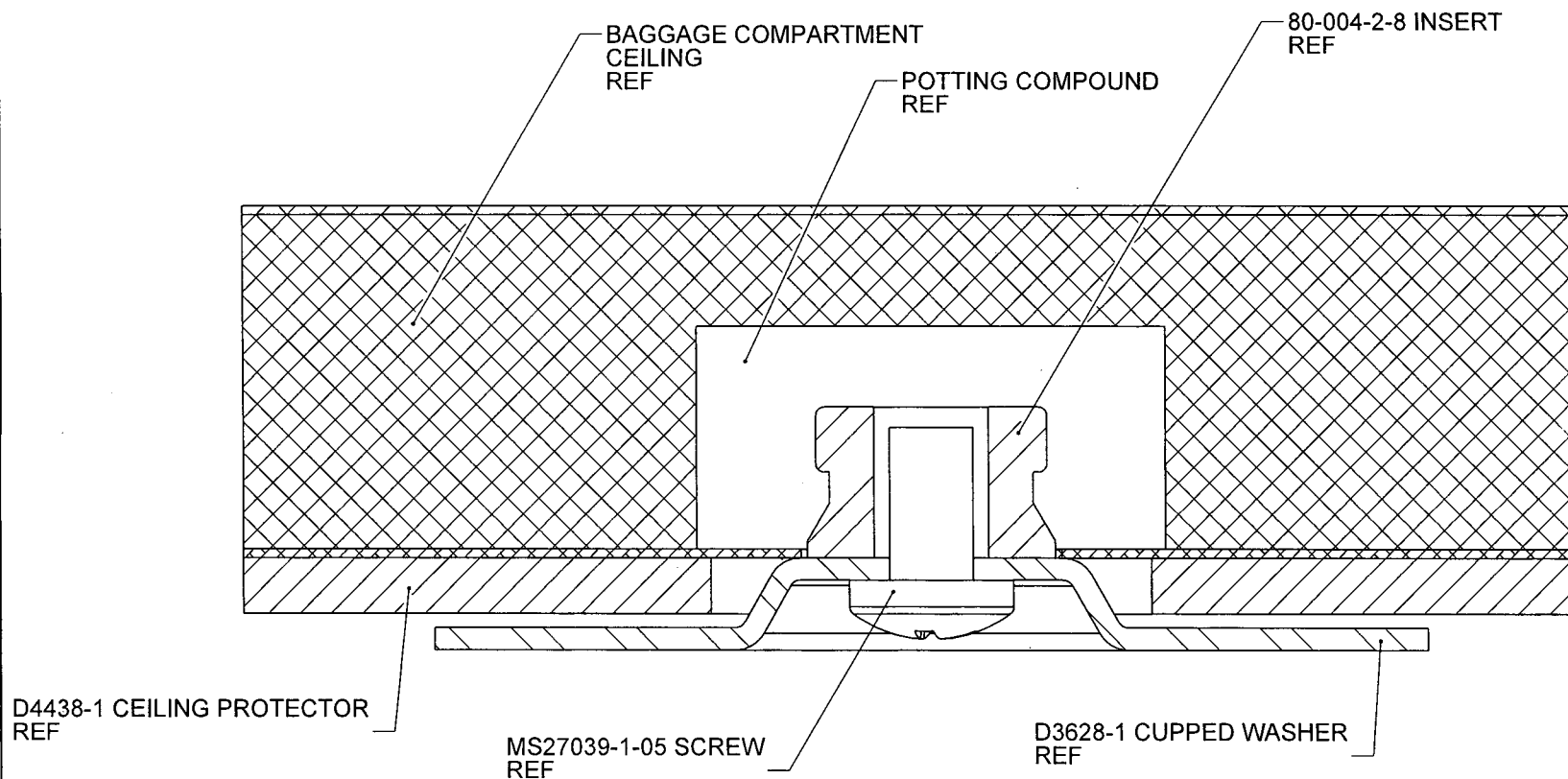
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**FIGURE 3**

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